Unit 04 – Programming

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4.29 Learning Aim C – Code Review

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Learning Objectives

To be understand what is meant by a code review.

To be able to understand the parts of a code review.

To be able to carry out an objective code review of your own program code.

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What Is A Code Review?

A code review happens when a program is finished.

It usually happens after the program has been given to the client.

It will involve repeating a lot of the steps you have carried out before.

Except this time, you are doing it on a **FINISHED PROGRAM AND DESIGN.**

There is no more ‘before and after.

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Is the Program Suitable For The Target Audience And Purpose?

Is your program suitable for the intended audience?

Is a console app appropriate for a non-technical specialist?

Is the program suitable for its purpose?

That is the job it is designed to do.

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Is the Program Suitable For The Target Audience And Purpose?

Target	Suitable	Reason
Audience		
Purpose		

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Does It Meet The Client Requirements?

You will need to go back and review the client brief.

You will need to see what the client wanted.

Does the program do everything the client wanted?

If not, why not?

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DDoes It Meet The Client Requirements?

Requirement	Met?	Reason

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Class Task 29.1 – Code Review

After you have created your program.

Use the template provided to review your code.

Present your findings to the group.

TIME ALLOWED: 30 minutes.

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Class Task 29.1 – Audience and Purpose Suggested Answers

Target	Suitable	Reason
Audience	The program is not suitable for the target audience	The people taking orders at a restaurant will be on their feet and a console program is not suitable for them.
Purpose	The program is suitable for its purpose	The program can easily record a table of 3 or 5 people and display final totals as requested.

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Self-Check: Lesson Review

Can I optimize and refine my program?

Can I objectively review the quality of my program?

Can I make use of user feedback and testing to improve my program?

Can document all my changes?

Can I compile my program for my target platform?

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Further Reading

Websites:

https://smartbear.com/learn/code-review/what-is-code-review/

https://blog.palantir.com/code-review-best-practices-19e02780015f

https://www.codegrip.tech/productivity/best-practices-for-reviewing-code/

https://www.infoq.com/articles/practices-better-code-reviews/

Textbook: pages 272

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